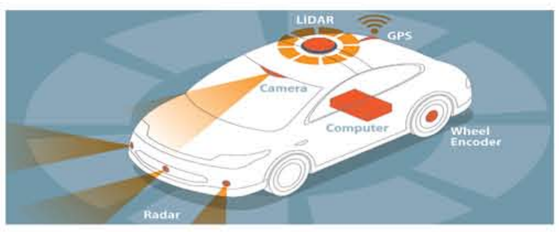
SYNOPEX

Automobile PTFE Cable

기술 특징 및 적용분야



Antenna Cable



Data Cable



Power Cable

- 유전율 낮은 저밀도 PTFE (Polytetrafluoroethylene) 사용
- 표준형 및 안정적인 케이블 옵션 제공
- 가혹한 환경에 최적의 솔루션 제공
- 탁월한 성능
- 다양한 사용범위에 적합한 Customizing 제품 개발

Low-loss PTFE Cable

기술 특징 및 적용분야



이동통신



Antenna





측정 및 검사용 장비



전술통신체계



우주항공

- 유전율 낮은 저밀도 PTFE (Polytetrafluoroethylene) 사용
- 안정적인 특성 (삽입손실, 반사손실, 정재파비, 위상) 제공
- 최적합 소재 적용으로 최대 유연성 제공
- 전자기파 (EMI) 차단을 위한 다중구조 케이블 설계
- 다양한 사용범위에 적합한 Customizing 제품 개발

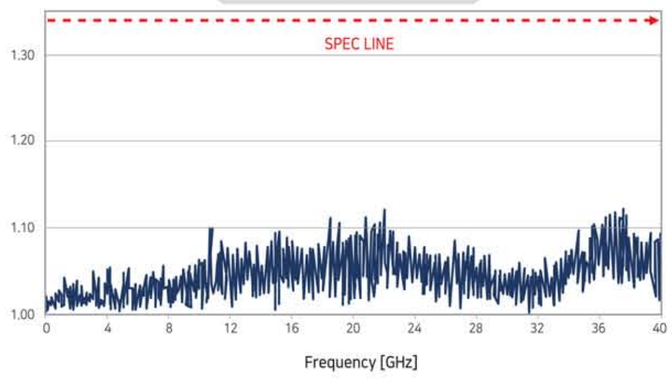
Automobile PTFE Cable Line-up

ITEM		MF/SF Series	SR Series	RG Series	L Series	R Series
Image						
Electrical Data	Operating frequency	MAX. 3~18GHz	MAX. 3~20GHz	MAX. 3~12GHz	MAX. 3~40GHz	MAX. 3~8.5GHz
	Characteristic impedance	50±2Ω	50± 2Ω	50± 2Ω	50± 1Ω	50± 2Ω
	Velocity of propagation	Nom. 70%	Nom. 70%	Nom. 70%	Nom. 77%	Nom. 77%
	RF leakage [dB]	-90	-100	-60	-90	-90
	VSWR	1.35:1	1.35 :1	1.35 :1	1.25 :1	1.25 :1
Technical Data	Center conductor	SPC/SPCW	SPC/SPCW	SPC/SPCW	SPC	SPC
	Dielectric	PTFE	PTFE	PTFE	PTFE	PTFE
	Inner shield	SPC/TC	TC(tube)	SPC/TC	SPC-Tape	AL-Tape
	Outer shield	-	-	-	SPC	TC
	Jacket (Option)	FEP	-	FEP	FEP	PUR

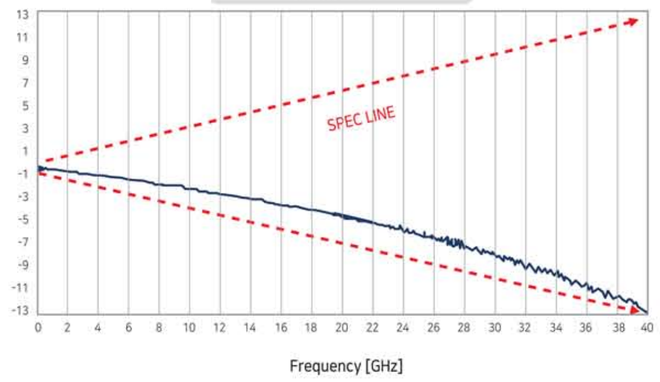
Low-Loss PTFE Cable Performance

Test Configuration	
Network Analyzer	Anritsu MS46122B 43.5GHz
Calibration Kit	TOSLK50A-40 Type K[m]
Operation Frequency	DC~40GHz
Typical VSWR	1.35 : 1
Phase Stability vs. Flexure[40GHz]	15°

VSWR



Phase



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